

PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION

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Report No. 414 EXPERIMENTAL ACTIONS

The Commission, by its Office of Engineering and Technology, Experimental Licensing Branch, granted the following experimental applications during the period from 6/1/08 to 7/1/08:

- **WE2XSQ THE BOEING COMPANY 0088-EX-PL-2008**
New experimental to operate in 50 Hz - 1 MHz for validating lightning protection of aircraft design.
Fixed: Tukwila (King), WA
- **WE2XPQ LAURENCE HOWELL 0645-EX-PL-2007**
New experimental to operate in 135.7-137.8 kHz and 505-510 kHz for propagation studies and research of LF and MF communications systems.
Fixed: Palmer, AK
- **WE2XBQ BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC. 0302-EX-PL-2006**
New experimental to operate in 30-74 MHz and 75.3-88 MHz for combat ID tag testing.
Fixed: Greenlawn (Suffolk), NY
- **WE2XDY DATARADIO COR LTD 0526-EX-PL-2006**
New experimental to operate in 137-174 MHz, 403-512 MHz, 762-806 MHz, 806-869 MHz and 928-960 MHz for testing wireless modems.
Mobile: Waseca (WASECA), MN, at temporary fixed locations
- **WE2XRN BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC. 0394-EX-PL-2007**
New experimental to operate on 151.9775 MHz 151.985 MHz, 159.5625 MHz and 159.81 MHz for testing various antennas and communications systems.
Mobile: Hudson, NH
- **WE2XBS SENSOR AND ANTENNA SYSTEMS, LANSDALE, INC. 0280-EX-PL-2006**
New experimental to operate on 242 MHz, 270 MHz, 290 MHz and 310 MHz to conduct antenna performance testing at an antenna test range.
Fixed: Lansdale, PA
- **WE2XRS CALIFORNIA, STATE OF 0026-EX-PL-2008**
New experimental to operate on 401 MHz for weather data collection.
Fixed: Palm Springs (Riverside), CA
- **WE2XRY KERN, COUNTY OF 0210-EX-PL-2008**
New experimental to operate on 401.9155 MHz and 401.9485 MHz for data collection through the GOES Satellite. Data is used for fire weather forecasting and for prediction of water runoff and stream monitoring.
Mobile: Countywide, Kern County, CA

- **WE2XSL THE BOEING COMPANY 0515-EX-PL-2007**
 New experimental to operate on spot frequencies from 430 MHz to 35 GHz for EMC testing.
 Fixed: Seattle (King), WA
- **WE2XRI BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC. 0225-EX-PL-2007**
 New experimental to operate in 446-446.10 MHz, 462.55-464 MHz and 902-928 MHz for antennas testing.
 Mobile: Temporary Fixed Locations within .5 km radius of Specified Centerpoint coordinates in NH
- **WE2XMW GENERAL DYNAMICS ARMAMENT AND TECHNICAL PRODUCTS, INC. 0111-EX-PL-2007**
 New experimental to operate in 500-2000 MHz, 6000-10600 MHz, 10700-14470 MHz, 14500-15350 MHz and 15400-18000 MHz for development, manufacture and acceptance testing of military and commercial radomes.
 Fixed: Marion (Smyth), VA
- **WE2XTG MANIFEST WIRELESS 0217-EX-PL-2008**
 New experimental to operate in 722-728 MHz for testing and developing wireless technologies in the E block.
 Fixed: Atlanta DMA, GA
- **WE2XTH MANIFEST WIRELESS 0220-EX-PL-2008**
 New experimental to operate in 722-728 MHz for testing and developing wireless technologies in the E block.
 Fixed: Dallas DMA, TX
- **WE2XTI MANIFEST WIRELESS 0222-EX-PL-2008**
 New experimental to operate in 722-728 MHz for testing and developing wireless technologies in the E block.
 Fixed: Denver DMA, CO
- **WE2XQK RAYTHEON COMPANY 0128-EX-PL-2008**
 New experimental to operate in 806-817 MHz, 825-846 MHz and 1715-1720 MHz to test and demonstrate the micro light DH500mobile unit using various types of terrain and topology.
 Mobile: Fullerton (Orange), CA; McKinney (Collin), TX; Marlborough (Middlesex), MA; St. Petersburg (Pinellas), FL
- **WE2XOA BOEING COMPANY, THE 0013-EX-PL-2008**
 New experimental to operate in 860-932 MHz, 935-941 MHz and 944-960 MHz for RF test mapping of aircraft.
 Fixed: Everett (Snohomish), WA; Seattle (King), WA
- **WE2XGE ROCKWELL COLLINS, INC. 0667-EX-PL-2006**
 New experimental to operate on 1227.60 MHz for testing and design of anti-jamming systems for military use.
 Fixed: Cedar Rapids (Linn), IA
- **WE2XPJ SRA INTERNATIONAL 0260-EX-PL-2007**
 New experimental to operate on 1227.6 and 1575.42 MHz using a GPS re-radiator to test various USAF special forces equipment that utilize embedded GPS receivers.
 Fixed: Dayton, OH
- **WE2XLX ATHENA TECHNOLOGIES INC. 0611-EX-PL-2007**
 New experimental to operate on 1227.60 MHz and 1575.42 MHz for testing radionavigation satellite service (RNSS) equipment and systems.
 Fixed: Warrenton (Fauquier), VA
- **WE2XOM DOF SUBSEA INC 0709-EX-PL-2007**
 New experimental to operate on 1227.6 MHz and 1575.42 MHz for testing radionavigation satellite service (RNSS) equipment and systems.
 Fixed: Houston (Harris), TX
- **WE2XOD MOBILE SATELLITE VENTURES SUBSIDIARY LLC 0057-EX-PL-2008**
 New experimental to operate on 1531.4 MHz for conducting propagation testing using terrestrial facilities.
 Mobile: Las Vegas, NV

- **WE2XON BLUE ORIGIN, LLC 0243-EX-PL-2007**
 New experimental to operate on 1575.42 MHz for testing a GPS reradiator.
 Fixed: Kent (King), WA; Van Horn (Culberson), TX
- **WE2XRA LOCKHEED MARTIN CORPORATION 0175-EX-PL-2008**
 New experimental to operate on 1621.25 MHz for communication between multiple ground stations.
 Fixed: Owego (Tioga), NY
- **WE2XOW MOBILE SATELLITE VENTURES SUBSIDIARY LLC 0062-EX-PL-2008**
 New experimental to operate on 1654.37 MHz and 1658.125 MHz for testing WiMAX protocol and ATC.
 Mobile: Reston (Fairfax), VA
- **WE2XPS ERICSSON INC 0655-EX-PL-2007**
 New experimental on 1740 MHz and 2140 MHz for development of 3GPP technology.
 Fixed: Plano, TX
- **WE2XSD FRANCE TELECOM NORTH AMERICA 0039-EX-PL-2008**
 New experimental to operate on 1846.8 MHz, 1847.6 MHz and 2127.4 MHz for test and development of PCS equipment for export to European markets for 3G GSM networks.
 Fixed: New York, NY
- **WE2XOO SIRIUS SATELLITE RADIO INC. 0064-EX-PL-2008**
 New experimental to operate in 2320-2332.50 MHz to research, design and demonstrate prototype satellite radio equipment.
 Fixed: Lawrenceville and Vernon, NJ
- **WE2XOK UNIVERSITY OF WISCONSIN-MADISON DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENG. 0049-EX-PL-2008**
 New experimental to operate in 2405.376-2479.104 MHz to collect thermal remote sensing data.
 Mobile: East Branch Pecatonica River near Barneveld, WI
- **WE2XPH CONSULTING & ENGINEERING NEXT GENERATION NETWORKS 0047-EX-PL-2008**
 New experimental to operate in 2418-2483.5 MHz for testing radio platforms.
 Fixed & Mobile: West Millbury, MA
- **WE2XRQ BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC. 0197-EX-PL-2008**
 New experimental to operate in 4940-4990 MHz for research and development of its First InterComm system, which is a communication system for emergency fire responders.
 Mobile: Hudson, NH
- **WE2XOS GENERAL DYNAMICS ARMAMENT AND TECHNICAL PRODUCTS, INC. 0207-EX-PL-2007**
 New experimental to operate in 6000-10600 MHz, 10700-14470 MHz, 14500-15350 MHz, 15400-18000 MHz and 31800-36000 MHz for radiated testing for the development, manufacture and acceptance testing of military and commercial radomes.
 Fixed: Marion (Smyth), VA
- **WE2XOT GENERAL DYNAMICS ARMAMENT AND TECHNICAL PRODUCTS, INC. 0258-EX-PL-2007**
 New experimental to operate in 6000-10600 MHz, 10700-14470 MHz, 14500-15350 MHz and 15400-18000 MHz for radiated testing for the development, manufacture and acceptance testing of military and commercial radomes.
 Fixed: Marion (Smyth), VA
- **WE2XSP LOCKHEED MARTIN CORPORATION 0228-EX-PL-2008**
 New experimental to operate on 9225 MHz and 9438 MHz to test and demonstrate Terma 2001 frequency diversity radar.
 Mobile: Hampton Roads, VA

- **WE2XQR THE BOEING COMPANY 0156-EX-PL-2008**
 New experimental to operate in 9320-9401 MHz for testing aircraft weather radar.
 Fixed: Tiger Mountain, WA; MT Rainier, WA; Gold Mountain, WA; MT Haleakala, HI
- **WE2XQY LAPOINT BLASE INDUSTRIES, INC. 0160-EX-PL-2008**
 New experimental to operate in 9320-9370 MHz for testing system operation and validation of X-Band portable Doppler weather radar.
 Fixed: Houston (Harris), TX
- **WE2XOR THE BOEING COMPANY 0449-EX-PL-2007**
 New experimental to operate on 9230 MHz for testing area intrusion and monitoring system radar operations.
 Fixed: Huntsville (Madison), AL; Playas (Hidalgo), NM
- **WE2XRP THE BOEING COMPANY 0030-EX-PL-2008**
 New experimental to operate on 9375 MHz for weather radar testing.
 Fixed: Ridley Park, PA
- **WE2XRT RAYTHEON COMPANY 0198-EX-PL-2008**
 New experimental to operate in 9400-9800 MHz for testing of the SEAVUE radar at the Raytheon radar test range.
 Fixed: McKinney (Collin), TX
- **WE2XOF THE BOEING COMPANY 0025-EX-PL-2008**
 New experimental to operate on 10 GHz for equipment testing.
 Mobile: Huntsville-Madison County Jetport, Huntsville (Madison), AL, within 48 km, entered around NL 34 28' 41.50
- **WE2XSF ORBITAL SCIENCES CORPORATION 0226-EX-PL-2008**
 New experimental to operate in 10.7-12.75 GHz and 12.75-13.25 GHz for verification of spacecraft command, control and telemetry sub-system and audio-video communications payload.
 Fixed: Dulles (Loudoun), VA
- **WE2XPZ GENERAL DYNAMICS ARMAMENT AND TECHNICAL PRODUCTS, INC. 0694-EX-PL-2007**
 New experimental to operate in 12-14.47 GHz, 14.5-15.35 GHz and 15.4-18 GHz for radiated testing for the development, manufacture and acceptance testing of military and commercial radomes.
 Fixed: Marion (Smyth), VA
- **WE2XQU BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC. 0130-EX-PL-2008**
 New experimental to operate on 14.615 GHz and 15.245 GHz for testing a Ku-Band Data link system.
 Mobile: Temporary Fixed Locations, Wayne, NJ
- **WE2XQI THE BOEING COMPANY 0407-EX-PL-2007**
 New experimental to operate in 16.2-16.6 GHz for equipment testing
 Mobile Huntsville, AL- Madison County Jetport
- **WE2XQJ THE BOEING COMPANY 0410-EX-PL-2007**
 New experimental to operate in 16.2-16.5 GHz for equipment testing
 Mobile Huntsville-Madison County Jetport
- **WC9XLI RAYTHEON SYSTEMS (SAS) 0577-EX-PL-2006**
 New experimental to operate on 16.75 GHz for testing wideband air-to-ground radar.
 Mobile: China Lake NAWC, CA, at an altitude of 5000 ft to 35000 ft
- **WE2XPT DRS SUSTAINMENT SYSTEMS, INC. 0106-EX-PL-2008**
 New experimental to operate in 16.75-17.25 GHz for testing and demonstrating of a radar system.
 Mobile: Vicinity of DRS SSI Facility in St. Louis, MO
- **WE2XPX BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC. 0652-EX-PL-2007**
 New experimental to operate in 24-24.721 GHz to use radar to test detection and tracking of targets.
 Mobile Temporary Fixed Locations. Merrimack, NH

- **WE2XOI NETWORK TRANSPORTATION TECHNOLOGIES LLC 0063-EX-PL-2008**
New experimental to operate on 24.15 GHz for testing an intersection warning system radar for automobile traffic safety.
Mobile: Plymouth (Anoka), MN, at temporary fixed locations
- **WE2XQN RAYTHEON COMPANY 0149-EX-PL-2008**
New experimental to operate in 34-35 GHz for testing of the multi-function radio frequency system (MFRFS) compact high gain active phase array radar.
Fixed & Mobile: McKinney (Collin), TX; Redstone Arsenal (Madison), AL
- **WE2XPI VUBIQ, INC. 0092-EX-PL-2008**
New experimental to operate in 57-64 GHz, 122-123 GHz and 244-246 GHz for testing and research of RFID and video transport technologies.
Mobile: Aliso Viejo (Orange), CA; Pacific Palisades (Los Angeles), CA; Del Mar (San Diego), CA; San Diego (San Diego), CA; Fort Collins (Larimer), CO; Rochester (Monroe), NY;